

IN THE CLAIMS

Claims 1-34 are canceled without prejudice or disclaimer of the subject matter thereof.

Please add new claims 35 – 55 as follows:

35. A magnetically targetable carrier composition comprising;

composite particles of activated carbon and iron, wherein said carbon is randomly distributed throughout the particle volume, wherein said particles includes a ratio of weight of iron to activated carbon in the range of from about 95:5 to about 50:50, and wherein said particles include a ratio of weight of mitomycin C to a combined carbon and iron weight in the range of from about 1:100 to about 20:100.

36. The magnetically targetable carrier composition of Claim 35, wherein said ratio of weight of mitomycin C to a combined carbon and iron weight is in the range of from about 1:100 to about 10:100.

37. The magnetically targetable carrier composition of Claim 36, wherein said ratio of weight of mitomycin C to a combined carbon and iron weight is about 5: 100.

38. The magnetically targetable carrier composition of Claim 35, wherein the mean size of said particles is between approximately 0.1 μm to approximately 20 μm .

39. The magnetically targetable carrier composition of Claim 38, wherein said mean size of said particles is less than 5 μm .

40. The magnetically targetable carrier composition of Claim 38, wherein a major dimension of about 95% of particles is between about 0.5 μm and about 5 μm .

41. The magnetically targetable carrier composition of Claim 35, wherein said activated carbon is selected from the group consisting of Norit A, B, E, K, KB and chemically modified versions and combinations thereof.

42. The magnetically targetable carrier composition of Claim 41, wherein said weight ratio of iron to activated carbon is selected from the group consisting of from about 85:15 to about 60:40, from about 86:14 to 64:36 and about 65%: 35%.

43. The magnetically targetable carrier composition of Claim 35, wherein said iron contains less than about 5% iron oxide.

44. The magnetically targetable carrier composition of Claim 41, wherein the mean diameter of the particles is between about 0.6 and about 3.5 microns.

45. The magnetically targetable carrier composition of Claim 35, wherein said particles have an adsorption capacity for an additional biologically active substance of up to 20% of the mass of the particle.

46. The magnetically targetable carrier composition of Claim 45, wherein said particles have a therapeutically effective amount of said additional biologically active substance adsorbed thereon, said biologically active substance being different from mitomycin C, and said carbon is activated carbon.

47. The magnetically targetable carrier composition of Claim 45, wherein said additional biologically active substance is selected from the group consisting of a drug, a radioactive substance, genetic material, antibiotics, antifungals, an additional antineoplastic agents and combinations thereof.

48. A formulation for a magnetically targetable carrier composition and mitomycin C, wherein said formulation comprises:

a) composite particles of activated carbon and iron, wherein said carbon is randomly distributed throughout the particle volume, wherein said particles includes a ratio of weight of iron to activated carbon in the range of from about 95:5 to about 50:50, and wherein said particles include a ratio of weight of mitomycin C to a combined carbon and iron weight in the range of from about 1:100 to about 20:100; and

b) a delivery vehicle.

49. The formulation of Claim 48, wherein the concentration of mitomycin C is selected from the group consisting of between about 0.5 to about 1 mg/mL and about 0.75 mg/mL before adsorption to the magnetically targetable carrier.
50. The formulation of Claim 48, further comprising an excipient.
51. The formulation of Claim 50, wherein said excipient is mannitol.
52. The formulation of Claim 48, wherein said delivery vehicle comprises:
- a) a sugar;
 - b) a polymer; and
 - c) a solvent.
53. The formulation of Claim 52, wherein said sugar is mannitol.
54. The formulation of Claim 52, wherein said polymer is carboxymethylcellulose.
55. The formulation of Claim 54, wherein said delivery vehicle comprises a solution with a viscosity of about 14 ± 2 cP when measured at 40°C and 60 rpm in a Brookfield viscometer.